DOCUMENT RESUME

ED 438 004 JC 000 148

AUTHOR Head, Ronald B.
TITLE High School Graduates Attending PVCC.
INSTITUTION Piedmont Virginia Community Coll., Charlottesville, VA. Office of Institutional Research and Planning.
REPORT NO PVCC-RR-2-99
PUB DATE 1999-11-00
NOTE 42p.
PUB TYPE Numerical/Quantitative Data (110) -- Reports - Research (143)
EDRS PRICE MF01/PC02 Plus Postage.
DESCRIPTORS College Bound Students; *College Freshmen; Community Characteristics; Community Colleges; Enrollment; *High School Graduates; Institutional Research; *School Community Relationship; School Districts; *Student Characteristics; Tables (Data); Two Year Colleges
IDENTIFIERS Piedmont Virginia Community College

ABSTRACT

This study reports on the characteristics and academic performance of recent high school graduates attending Piedmont Virginia Community College (PVCC). The study found that the number of high school graduates in the PVCC service region increased by an average of 4.1% each year from 1994-99. The number of regional graduates is not a good predictor of enrollment at PVCC. An average of 330 (21.5%) of regional high school graduates enroll each year following graduation plus another 135 recent graduates from other high schools. The total number of recent graduates represent less than seven percent of the student body. Within four years of graduation, 35% or more of regional high school students enroll at PVCC. Service region graduates are more likely to require remediation and do not perform as well academically as other students. Report sections include: (1) Executive Summary; (2) Introduction; (3) High School Graduates within PVCC Service Region; (4) Service Region High School Graduates Attending PVCC; (5) Demographic Characteristics of Recent High School Graduates Attending PVCC; (6) College Characteristics of Recent High School Graduates Attending PVCC; (7) Academic Performance of Recent High School Graduates Attending PVCC; and (8) Conclusion. The appendix contains the RADDS/SAS program used to obtain data. Includes 17 tables and 12 figures. (RDG)

Reproductions supplied by EDRS are the best that can be made
from the original document.

ED 438 004

PERMISSION TO REPRODUCE AND DISSEMINATE THIS MATERIAL HAS BEEN GRANTED BY

Ronald B. Head

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

1

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

☒ This document has been reproduced as received from the person or organization originating it.

☐ Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

High School Graduates Attending PVCC

Research Report No. 2-99
November 1999

JC000148

Piedmont Virginia Community College
Charlottesville, Virginia

Ronald B. Head
Executive Director of Planning and Information Technology

Office of Institutional Research

BEST COPY AVAILABLE

High School Graduates Attending PVCC

By
Ronald B. Head
Executive Director of Planning and Information Technology
Piedmont Virginia Community College

Office of Institutional Research
Piedmont Virginia Community College
Charlottesville, Virginia 22902
Research Report No. 2-99

November 1999

Table of Contents

Executive Summary 1

Introduction 3

High School Graduates Within the PVCC Service Region 5

Service Region High School Graduates Attending PVCC 8

Demographic Characteristics of Recent High School Graduates Attending PVCC 17

College Characteristics of Recent High School Graduates Attending PVCC 19

The Academic Performance of Recent High School Graduates Attending PVCC 22

Conclusion 25

Appendix: RADDS/SAS Program Used to Obtain Data 27

List of Tables

Table 1: Number of PVCC Service Region High School Graduates 6

Table 2: Number of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation 10

Table 3: Pct. of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation 10

Table 4: No. of 1993-94 PVCC Service Region High School Graduates Attending PVCC within One, Two, Three, Four, and Five Years of Graduation by High School 13

Table 5: No. of 1994-95 PVCC Service Region High School Graduates Attending PVCC within One, Two, Three, and Four Years of Graduation by High School. 14

Table 6: No. of 1995-96 PVCC Service Region High School Graduates Attending PVCC within One, Two, and Three Years of Graduation by High School 14

Table 7: No. of 1996-97 PVCC Service Region High School Graduates Attending PVCC within One and Two. Years of Graduation by High School 15

Table 8: Pct. of PVCC Service Region High School Graduates Planning to Continue Their Education Who Enrolled at PVCC in the Year Following High School Graduation 16

Table 9: Pct. of PVCC Service Region High School Graduates Planning to Enroll at a College Who Enrolled at PVCC in the Year Following High School Graduation 17

Table 10: Pct. of PVCC Service Region High School Graduates Planning to Enroll at a Two-Year College Who Enrolled at PVCC in the Year Following High School Graduation 17

Table 11: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Sex 18

Table 12: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Race 18

Table 13: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Full-time/Part-Time Status 20

Table 14: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Day/Night Status 21

Table 15: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by On-/Off-Campus Status 21

Table 16: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Curricular Status 22

Table 17 : Grades Received by PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation 25

List of Figures

Figure 1: Actual Vs. Projected Number of PVCC Service Region High School Graduates 7

Figure 2: Projected Number of PVCC Service Region High School Graduates Through 2012-13 7

Figure 3: Comparison Between the Total Number of PVCC Service Region Graduates and PVCC Service Region Graduates Enrolling at PVCC in the Year Following High School Graduation 8

Figure 4: PVCC Service Region High School Graduates Enrolling at PVCC As a Proportion of Total Student Enrollment 9

Figure 5: Pct. of 1997-98 PVCC Service Region High School Graduates Enrolling at PVCC in 1998-99 11

Figure 6: Pct. of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation 11

Figure 7: No. and Pct. of 1993-94 PVCC Service Region High School Graduates Attending PVCC within One, Two, Three, Four, and Five Years of Graduation 12

Figure 8: Pct. of 1997-98 PVCC Service Region High School Graduates Planning to Attend a Two-Year School Who Enrolled at PVCC in 1998-99 16

Figure 9: Average Credit Hours Taken at PVCC During A Term by PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation and by All Students 20

Figure 10: Percentage of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation Taking at Least One Developmental Course 23

Figure 11: Cumulative GPA of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation and of All Students 24

Figure 12: Grades Received in 1998-99 by 1997-98 PVCC Service Region High School Graduates Enrolling at PVCC in 1998-99 and by All Students 25

Executive Summary

This study is a follow-up to a study conducted by the Office of Institutional Research and Planning at Piedmont Virginia Community College (PVCC) five years ago to determine whether statewide projections of high school graduates were an accurate predictor of the number of high school graduates enrolling at the college the following year. It was also designed to go beyond the earlier study and report on the characteristics and academic performance of recent high school graduates attending PVCC. Major findings included the following:

- During the last five years, an average of 1,536 students have graduated each year from high schools within the PVCC service region. During this time, the number of graduates increased by an average of 4.1% per year, but the increases were on average 6.7% lower than called for by statewide projections.
- According to statewide projections, the number of graduates will rise during the next four years, decline during the next two years, rise sharply during the following two years, and then gradually decline.
- The number of service region high school graduates in any given year is not a predictor of how many of these will subsequently enroll at PVCC.
- An average of 330, or 21.5%, of service region high school graduates enroll at PVCC in the year following high school graduation. Another 135 graduates from other high schools also enroll at PVCC. This represents less than 7% of the total student body, and is too small a number to have a huge impact upon enrollment.
- The average percentage of high school graduates enrolling at PVCC in the year following high school graduation during the past five years from each of the service region high schools was as follows: 36.7% at Murray, 28.5% at Fluvanna, 27.5% at Albemarle, 26.5% at William Monroe, 24.9% at Western Albemarle, 20.9% at Charlottesville, 13.4% at Nelson County, 12.8% at Louisa County, and 8.8% at Buckingham. Note that Louisa and Buckingham Counties are shared with other VCCS schools.

- Many service region high school graduates who do not enroll at the college in the year following high school graduation do enroll in subsequent years. Within two years of high school graduation, nearly 30% of the graduates enroll at PVCC, within three years between 30% and 35% enroll, and within four years, 35% or more enroll.

- PVCC appears to be the college of choice for many high school seniors who intend to continue their education after high school graduation. Of those who did plan to continue their education after high school between 1994-95 and 1998-99, 30.3% enrolled at PVCC. Of those who planned to continue their education at a two-year college, 85.3% enrolled at PVCC.

- Recent high school graduates attending PVCC are more likely than other students to be male, study full-time in a curricular program, take all of their classes at the main campus in the day, and to receive financial aid.

- Service region high school graduates attending PVCC in the year following high school graduation are more likely than other students to require remediation. An average of 45.1% of all recent high school graduates taking classes at PVCC between 1994-95 and 1998-99 took at least one developmental course. In contrast, during the same period, only 12.3% of all students took at least one developmental course.

- Service region high school graduates also do not perform as well academically as other students. The average cumulative GPA of high school graduates between 1994-95 and 1998-99 was 2.559 as compared to 3.014 for all students. While approximately 25% of all grades earned by high school graduates were A's, nearly 50% of all grades received by other students were A's.

Introduction

In 1994, a study entitled *PVCC Service Region High School Graduates* was published by the Office of Institutional Research and Planning at Piedmont Virginia Community College (PVCC). The purpose of the study was to determine what impact a projected increase in high school graduates between 1992-93 and 2007-08 would have upon the college.[1] The increase was projected for all 133 school divisions in the Commonwealth of Virginia by the Center for Public Service at the University of Virginia.[2] The PVCC study concentrated upon only those high schools within the college's service region: Albemarle, Western Albemarle, and Murray in Albemarle County; Buckingham County; Charlottesville; Fluvanna County; William Monroe in Greene County; Louisa County; and Nelson County.

Two major findings resulted from the study. First, the number of students graduating from service region high schools was shown to be a poor predictor of the number subsequently attending PVCC. During the 1980's and early 1990's, while the number of service region high school graduates declined, the number of service region graduates attending PVCC rose. The second major finding was that the number of recent high school graduates enrolling at the college was too small in relation to the size of the student body as a whole to significantly impact overall enrollment.

---

[1] Ronald B. Head, *PVCC Service Region High School Graduates* (PVCC Institutional Research Report No. 4-94, April 1994).

[2] Michael A. Spar, Susan H. Sakurada, and Julia H. Martin, *Projections of Educational Statistics to 2012* (Charlottesville, VA: Center for Public Service, University of Virginia, September 1993).

The purpose of the present study is to determine not only whether the findings from the 1994 study are still true (they are), but to examine how many recent service region high school graduates enroll at PVCC, how they differ from other students, and how well they perform once they enroll. Specifically, this study is designed to answer the questions listed below.

How many students graduate from service region high schools each year?

How many students are expected to graduate from service region high schools during the next decade?

Has the number of students graduating from service region high schools followed projections?

Is the number of students graduating from service region high schools a predictor of the number who will subsequently attend PVCC?

How many of these graduates attend PVCC in the year immediately following high school graduation? How many attend within two years? Three years? Four years? Five years?

How many of these graduates who indicate they will continue their education beyond high school enroll at PVCC? How many who indicate they will enroll in a college enroll at PVCC? How many who indicate they will enroll at a community college enroll at PVCC?

Are the demographics (sex, race, and age) of recent high school graduates attending PVCC the same as those of all students attending the college?

Are enrollment and course taking characteristics of recent high school graduates attending PVCC the same as those of all students attending the college?

What remediation is required of recent high school graduates once they enroll at PVCC?

How well academically do recent high school graduates perform at PVCC?

Data on the number of high school graduates from service region high schools were collected from Table 5 of the Virginia Department of Education annual Superintendents Reports.[3] Data on the number of high school graduates projected to graduate from service region high schools are the same used in the 1994 study and were obtained from *Projections of Educational Statistics to 2012*.[4] And data on high school graduates once they enroll at PVCC were acquired from the Virginia Community College System (VCCS) student information system (SIS) database through a RADSS/SAS program written by the author. A copy of this program is included with this report as an appendix for the use of any VCCS researchers who may wish to replicate this study.

High School Graduates Within the PVCC Service Region

The number of graduates from service region high schools between 1993-94 and 1997-98 is shown in Table 1. As can be seen, the number ranged from 15 at Murray High School in 1993-94 to 386 at Albemarle High School in 1994-95. The service region high school graduating the most students during this period was Albemarle with a five-year average number of 359. The next closest school was Western Albemarle with 231, followed by Charlottesville with 200, Louisa County with 195, Fluvanna County with 141, Nelson County with 136, William Monroe with 117, Buckingham County with 111, and Murray with 20.

---

[3] Copies of the two most recent reports are available at the Virginia Department of Education home page. The URL is: http://www.pen.k12.va.us/VDOE/Publications/

Table 1: Number of PVCC Service Region High School Graduates

Year	Albemarle	Western Albemarle	Murray	Buckingham County	Charlottes-ville	Fluvanna County	William Monroe	Louisa County	Nelson County	TOTAL
1993-94	345	226	15	103	176	115	135	177	120	1,412
1994-95	386	209	24	110	212	139	104	187	134	1,505
1995-96	334	251	20	110	175	123	97	168	147	1,425
1996-97	373	239	17	106	206	137	121	216	146	1,561
1997-98	359	232	22	127	233	191	128	225	134	1,651

The number of students graduating from all service region high schools rose by 6.6% between 1993-94 and 1994-95, dropped by 5.3% the following year, and rose by 9.5% and 5.8% the next two years. The average annual increase during this five-year period was 3%. Among the schools, the annual change ranged between a 17.9% decrease at Charlottesville High School between 1994-95 and 1995-96 to a 60% increase at Murray High School between 1993-94 and 1994-95.

Although as projected by the Center for Public Service, the number of service region high school graduates did rise during the five-year period, the rate of growth was lower than projected. This is graphically portrayed in Figure 1. The average percentage of actual enrollment to projected enrollment during the period was 93.3%. In other words, only 93.3% of those expected to graduate really *did* graduate. Percentage figures ranged from 75.8% at Charlottesville High School in 1994-95 to 129.1% at Fluvanna County High School in 1997-98.

[4] *Op. cit.*

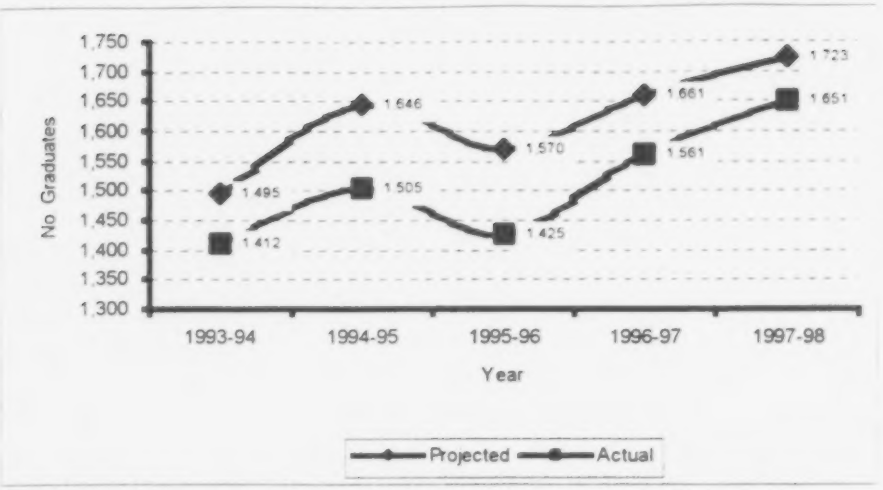

Figure 1: Actual Vs. Projected Number of PVCC Service Region High School Graduates

Projections of service region high school graduates from 1998-99 through 2012-13 are shown in Figure 2. According to projections, the number of graduates will rise during the next four years, decline during the next two years, rise sharply during the following two years, and then gradually decline.

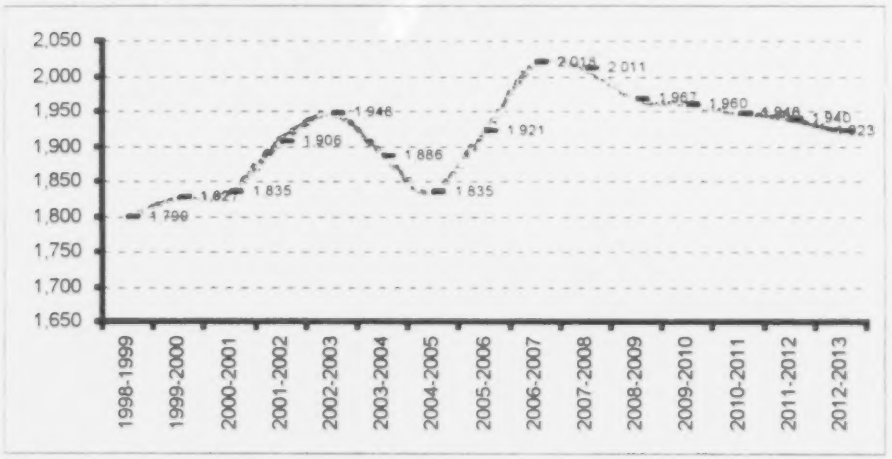

Figure 2: Projected Number of PVCC Service Region High School Graduates Through 2012-13

Service Region High School Graduates Attending PVCC

One of the major findings in the 1994 study on service region high school graduates was that the total number of PVCC service region graduates within any given year is a poor predictor of how many of these graduates will subsequently enroll at the college. Four years later this finding is still true. As can be seen in Figure 3, the pattern of the number of service region high school graduates and that of the number of service region high school graduates enrolling at PVCC are dissimilar. Linear regression was used to test the hypothesis that the number of graduates from service region high schools predicts the number enrolling at PVCC, and the results indicated poor predictability (the multiple correlation coefficient [R] was 0.195481732, the coefficient of determination [R^2] was 0.038213107, the standard error of the estimate was 32.62585701, and the F value in the ANOVA table was 0.516508).

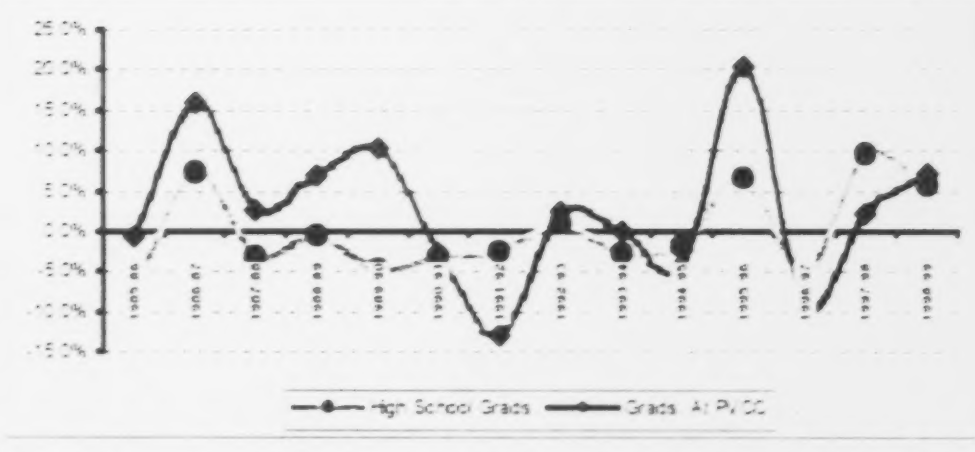

Figure 3: Comparison Between the Total Number of PVCC Service Region Graduates and PVCC Service Region Graduates Enrolling at PVCC in the Year Following High School Graduation

Even if projected figures could be used to estimate enrollment at PVCC, they would be of limited use to college planners. The reason for this is that the number of PVCC service region graduates enrolling at the college within one year of high school graduation is only a small fraction of the total number of students enrolling in any given year. As can be seen in Figure 4, service region high school graduates accounted for only 5.9% to 7.3% of all students between 1994-95 and 1998-99. In this respect, projected high school graduation figures can be used to predict no more than 7% of the total enrollment at the college.

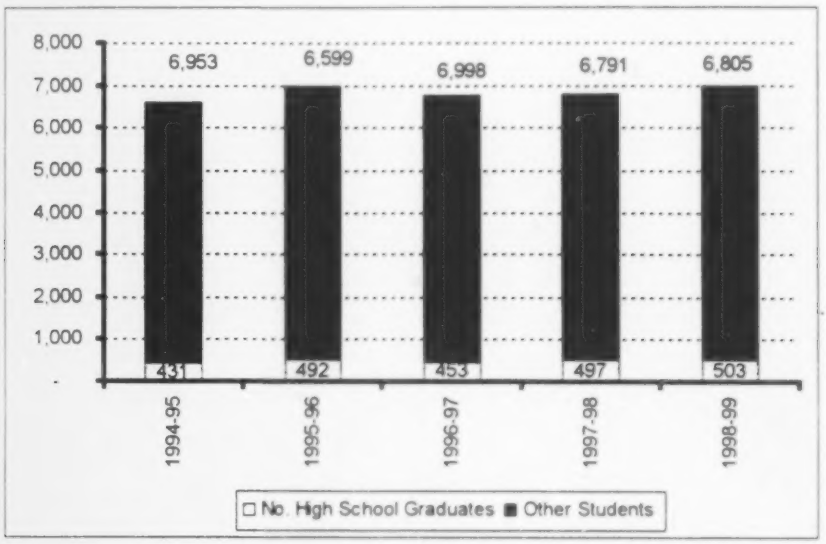

Figure 4: PVCC Service Region High School Graduates Enrolling at PVCC As a Proportion of Total Student Enrollment

The number of PVCC service region high school graduates enrolling at the college in the year following high school graduation by high school is shown in Table 2. As can be seen, the number ranged from 5 at Murray High School in 1994-95 to 110 at Albemarle High School in 1996-97. The average number of service region graduates enrolling at the college during this five-year period was 330, and the average

number of all high school graduates enrolling was 465. The average number of FTES generated by recent high school graduates was 263.

Table 2: Number of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation

Year	Albemarle	Western Albemarle	Murray	Buckingham County	Charlottes-ville	Fluvanna County	William Monroe	Louisa County	Nelson County	TOTAL
1994-95	80	58	5	10	34	30	34	31	12	294
1995-96	100	59	8	11	52	45	25	30	24	354
1996-97	110	55	9	11	41	43	16	12	24	321
1997-98	98	62	7	7	32	32	39	32	19	328
1998-99	106	54	7	10	50	51	41	20	12	351

The percentage of service region high school graduates enrolling at PVCC in the year following graduation by high school is shown in Table 3. An average of 21.8% of all service region high school graduates attended the college during the five-year period 1994-95 to 1998-99. As might be expected, the percentage is lowest in the two counties which PVCC shares with other community colleges (Buckingham and Louisa Counties). It is highest at Murray High School. The average percentage during the five-year period at the schools was as follows: 36.7% at Murray, 28.5% at Fluvanna, 27.5% at Albemarle, 26.5% at William Monroe, 24.9% at Western Albemarle, 20.9% at Charlottesville, 13.4% at Nelson County, 12.8% at Louisa County, and 8.8% at Buckingham.

Table 3: Pct. of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation

Year	Albemarle	Western Albemarle	Murray	Buckingham County	Charlottes-ville	Fluvanna County	William Monroe	Louisa County	Nelson County	TOTAL
1994-95	23.2%	25.7%	33.3%	9.7%	19.3%	26.1%	25.2%	17.5%	10.0%	20.8%
1995-96	25.9%	28.2%	33.3%	10.0%	24.5%	32.4%	24.0%	16.0%	17.9%	23.5%
1996-97	32.9%	21.9%	45.0%	10.0%	23.4%	35.0%	16.5%	7.1%	16.3%	22.5%
1997-98	26.3%	25.9%	41.2%	6.6%	15.5%	23.4%	32.2%	14.8%	13.0%	21.0%
1998-99	29.5%	23.3%	31.8%	7.9%	21.5%	26.7%	32.0%	8.9%	9.0%	21.3%

The percentage of service region high school graduates by high school enrolling at PVCC in 1998-99 is shown in Figure 5.

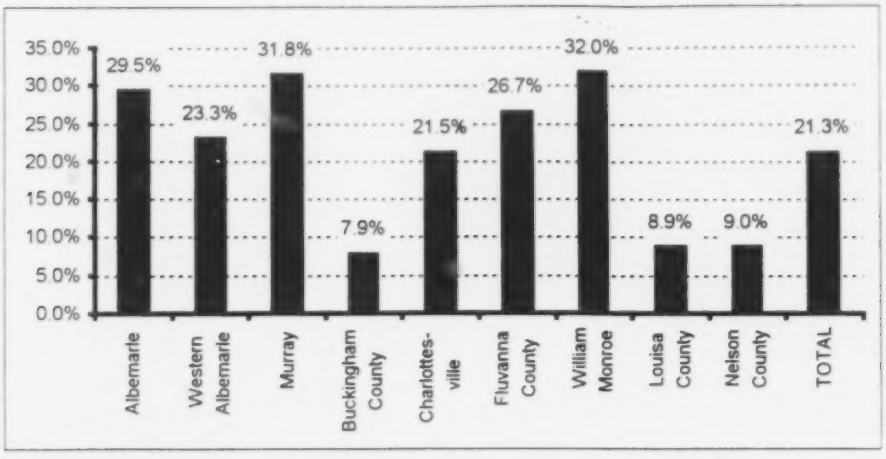

Figure 5: Pct. of 1997-98 PVCC Service Region High School Graduates Enrolling at PVCC in 1998-99

The percentage of service region high school graduates enrolling at PVCC has been fairly consistent during the past five years, ranging from 20.8% in 1994-95 to 23.5% in 1995-96. As can be seen in Figure 6, the percentage of high school graduates rose between 1994-95 and 1995-96, declined slightly during the next two years, and rose again the following year.

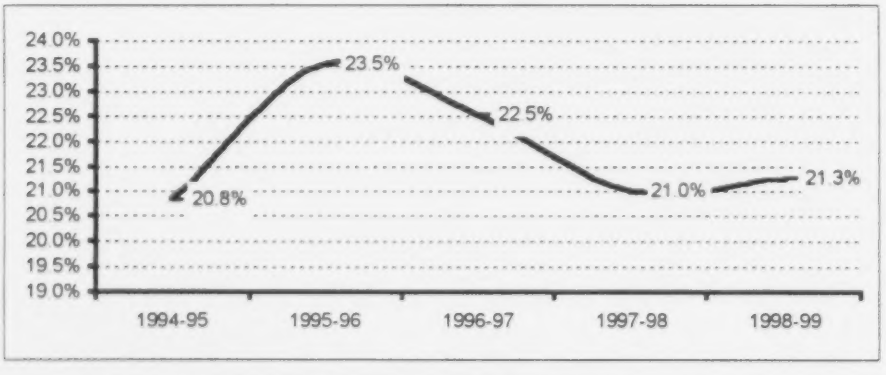

Figure 6: Pct. of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation

Of course, not all students enroll at PVCC immediately after graduating from high school. Some work for a year or two before enrolling; others attend four-year colleges or universities and then transfer to PVCC; and still others enter the military first or have other plans that prevent them from attending PVCC. As noted above, 20.8% of all 1993-94 service region high school graduates attended the college in the year following their graduation. However, 27.3% attended within two years, 31.9% within three years, 34.4% within four years, and 36.4% within five years. This is graphically shown in Figure 7 and is shown for each high school in Table 4.

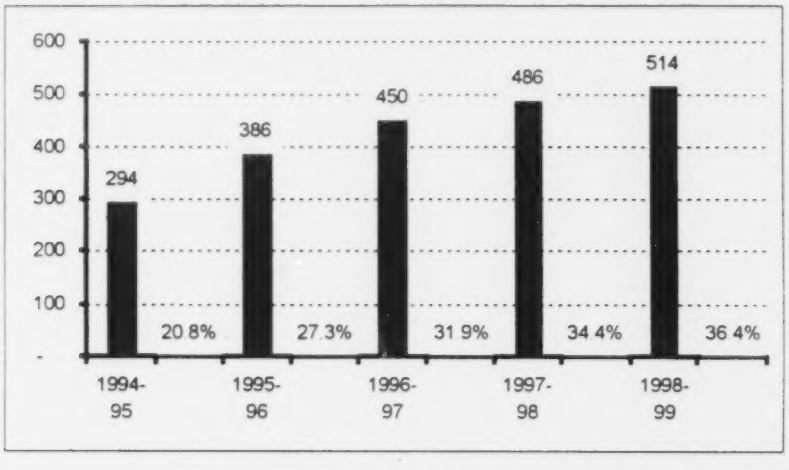

Figure 7: No. and Pct. of 1993-94 PVCC Service Region High School Graduates Attending PVCC within One, Two, Three, Four, and Five Years of Graduation

Table 4: No. of 1993-94 PVCC Service Region High School Graduates Attending PVCC within One, Two, Three, Four, and Five Years of Graduation by High School

	1994 High School Graduates Enrolling at PVCC in:									
	1994-95		1995-96		1996-97		1997-98		1998-99	
High School	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Albemarle	80	23.2%	109	31.6%	139	40.3%	150	43.5%	156	45.2%
Western Albemarle	58	25.7%	67	29.6%	77	34.1%	85	37.6%	89	39.4%
Murray	5	33.3%	8	53.3%	9	60.0%	10	66.7%	12	80.0%
Buckingham County	10	9.7%	13	12.6%	16	15.5%	19	18.4%	22	21.4%
Charlottesville	34	19.3%	46	26.1%	49	27.8%	50	28.4%	54	30.7%
Fluvanna County	30	26.1%	38	33.0%	41	35.7%	44	38.3%	47	40.9%
William Monroe	34	25.2%	47	34.8%	55	40.7%	59	43.7%	61	45.2%
Louisa County	31	17.5%	39	22.0%	42	23.7%	46	26.0%	47	26.6%
Nelson County	12	10.0%	19	15.8%	22	18.3%	23	19.2%	26	21.7%
TOTAL	294	20.8%	386	27.3%	450	31.9%	486	34.4%	514	36.4%

Please note that these figures indicate how many students enrolled at PVCC at any time during this period. It does not indicate continuous enrollment. In this respect, if a student enrolled only in the fall of the year following high school graduation, he or she would be counted once. A student who enrolled during every term during the five-year period would also be counted once.

The percentage of 1994-95 graduates enrolling within two, three, and four years of graduation is shown in Table 5; the percentage of 1995-96 graduates enrolling within two and three years is shown in Table 6; and the percentage of 1996-97 graduates enrolling within two years is shown in Table 7. As can be seen, yearly figures do vary. The percentage of 1994-95 graduates attending PVCC within four years of graduation, for instance, is higher than the percentage of 1993-94 graduates attending within five years.

Table 5: No. of 1994-95 PVCC Service Region High School Graduates Attending PVCC within One, Two, Three, and Four Years of Graduation by High School

	1995 High School Graduates Enrolling at PVCC in:							
	1995-96		1996-97		1997-98		1998-99	
High School	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Albemarle	100	25.9%	144	37.3%	159	41.2%	172	44.6%
Western Albemarle	59	28.2%	77	36.8%	92	44.0%	95	45.5%
Murray	8	33.3%	10	41.7%	11	45.8%	11	45.8%
Buckingham County	11	10.0%	12	10.9%	15	13.6%	15	13.6%
Charlottesville	52	24.5%	69	32.5%	77	36.3%	82	38.7%
Fluvanna County	45	32.4%	54	38.8%	59	42.4%	61	43.9%
Greene County	25	24.0%	40	38.5%	41	39.4%	46	44.2%
Louisa County	30	16.0%	39	20.9%	42	22.5%	43	23.0%
Nelson County	24	17.9%	27	20.1%	29	21.6%	33	24.6%
TOTAL	354	23.5%	472	31.4%	525	34.9%	558	37.1%

Table 6: No. of 1995-96 PVCC Service Region High School Graduates Attending PVCC within One, Two, and Three Years of Graduation by High School

	1996 High School Graduates Enrolling at PVCC in:					
	1996-97		1997-98		1998-99	
High School	No.	Pct.	No.	Pct.	No.	Pct.
Albemarle	110	32.9%	142	42.5%	153	45.8%
Western Albemarle	55	21.9%	78	31.1%	89	35.5%
Murray	9	45.0%	9	45.0%	10	50.0%
Buckingham County	11	10.0%	14	12.7%	15	13.6%
Charlottesville	41	23.4%	60	34.3%	75	42.9%
Fluvanna County	43	35.0%	49	39.8%	53	43.1%
Greene County	16	16.5%	20	20.6%	23	23.7%
Louisa County	12	7.1%	22	13.1%	25	14.9%
Nelson County	24	16.3%	34	23.1%	38	25.9%
TOTAL	321	22.5%	428	30.0%	481	33.8%

Table 7: No. of 1996-97 PVCC Service Region High School Graduates Attending PVCC within One and Two, Years of Graduation by High School

	1997 High School Graduates Enrolling at PVCC in:			
	1997-98		1998-99	
High School	No.	Pct.	No.	Pct.
Albemarle	98	26.3%	130	34.9%
Western Albemarle	62	25.9%	83	34.7%
Murray	7	41.2%	10	58.8%
Buckingham County	7	6.6%	9	8.5%
Charlottesville	32	15.5%	47	22.8%
Fluvanna County	32	23.4%	49	35.8%
Greene County	39	32.2%	47	38.8%
Louisa County	32	14.8%	42	19.4%
Nelson County	19	13.0%	25	17.1%
TOTAL	328	21.0%	442	28.3%

One thing to keep in mind when examining how many high school graduates attend PVCC is that not all high school graduates intend to continue their education. Many opt to work full-time after graduation; others join the military; and still others become full-time homemakers or take a year off. In this respect, a more accurate measure of attendance might be the percentage of high school graduates planning to continue their education at a community college who actually do so. The annual Department of Education Superintendents Reports includes information on the educational plans of high school graduates. As shown in Figure 8, a comparison of the number of 1997-98 high school graduates stating that they intended to continue their education at a two-year school with the number of high school graduates actually attending PVCC in 1998-99 reveals a percentage figure of 87.1%. The percentage ranged from 36.4% at Nelson County High School to 117.1% at William Monroe High School.

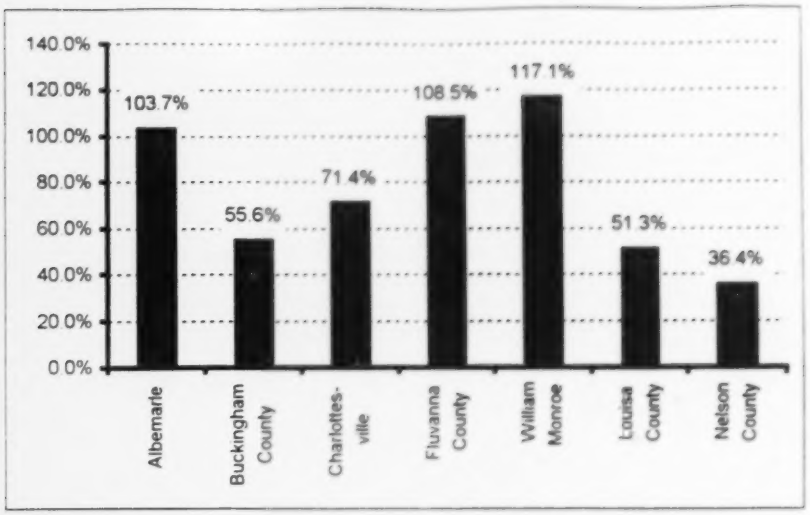

Figure 8: Pct. of 1997-98 PVCC Service Region High School Graduates Planning to Attend a Two-Year School Who Enrolled at PVCC in 1998-99

Table 8 shows by high school and year the percentage of PVCC service region high school graduates planning to continue their education anywhere in the year following graduation; Table 9 the percentage planning to enroll at a college or university in the year following graduation; and Table 10 the percentage planning to enroll at a two-year college in the year following graduation. As can be seen, 30.3% of those planning to continue their education anywhere, 33% of those planning to enroll at a college or university, and 85.3% of those planning to enroll at a two-year college subsequently enrolled at PVCC.

Table 8: Pct. of PVCC Service Region High School Graduates Planning to Continue Their Education Who Enrolled at PVCC in the Year Following High School Graduation

Year	Albemarle	Buckingham County	Charlottes-ville	Fluvanna County	William Monroe	Louisa County	Nelson County	TOTAL
1994-95	28.4%	12.2%	26.8%	51.7%	33.3%	42.5%	19.4%	29.2%
1995-96	31.4%	16.9%	29.9%	72.6%	34.7%	21.0%	29.6%	31.4%
1996-97	36.0%	13.9%	30.8%	56.6%	25.4%	15.4%	29.3%	32.3%
1997-98	31.7%	10.6%	18.5%	28.3%	56.5%	20.5%	29.2%	28.1%
1998-99	32.7%	14.7%	25.3%	41.5%	66.1%	19.6%	16.9%	31.0%

Table 9: Pct. of PVCC Service Region High School Graduates Planning to Ernoll at a College Who Enrolled at PVCC in the Year Following High School Graduation

Year	Albemarle	Buckingham County	Charlottes-ville	Fluvanna County	William Monroe	Louisa County	Nelson County	TOTAL
1994-95	30.9%	15.6%	27.2%	52.6%	36.6%	45.6%	20.3%	31.6%
1995-96	32.4%	22.9%	34.2%	75.0%	39.1%	25.4%	30.4%	34.2%
1996-97	37.5%	18.6%	33.3%	64.2%	30.8%	16.9%	31.6%	35.2%
1997-98	32.9%	13.7%	21.2%	33.3%	60.9%	25.4%	29.7%	31.0%
1998-99	34.0%	20.8%	26.2%	47.7%	70.7%	21.7%	16.9%	33.2%

Table 10: Pct. of PVCC Service Region High School Graduates Planning to Enroll at a Two-Year College Who Enrolled at PVCC in the Year Following High School Graduation

Year	Albemarle	Buckingham County	Charlottes-ville	Fluvanna County	William Monroe	Louisa County	Nelson County	TOTAL
1994-95	85.1%	33.3%	77.3%	200.0%	70.8%	163.2%	63.2%	85.7%
1995-96	81.1%	55.0%	113.0%	160.7%	71.4%	46.9%	54.5%	79.9%
1996-97	103.6%	44.0%	100.0%	143.3%	66.7%	48.0%	77.4%	93.3%
1997-98	91.3%	87.5%	80.0%	78.0%	114.7%	44.4%	90.5%	82.2%
1998-99	103.7%	55.6%	71.4%	108.5%	117.1%	51.3%	36.4%	87.1%

One word of caution in reviewing these figures is that the numbers from the Superintendents Reports do not relate directly to those in the VCCS database. In other words, there is no guarantee that the number of high school graduates attending PVCC are necessarily those who a year earlier indicated they would attend a two-year school. The number may actually include students who indicated they would attend a four-year school, and it may include students who indicated they were not even planning to continue their education at all.

Demographic Characteristics of Recent High School Graduates Attending PVCC

The number of PVCC service region high school graduates enrolling at PVCC in the year following high school graduation is shown in Table 11 by sex and in Table

12 by race. With respect to sex, the proportion of males to females is closer to 50:50 for recent high school graduates than for all students. While 61% of all students between 1994-95 and 1998-99 were female, only 53% of recent high school graduates were female. The racial composition of recent high school graduates, however, is similar to that of all students. The percentage of minority students was only 2% higher for recent high school graduates (18.3%) than for all students (16.3%).

Table 11: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Sex

Year	No. Male Students	Pct. Male Students	No. Female Students	Pct. Female Students
1993-94	188	45.5%	225	54.5%
1994-95	220	51.0%	211	49.0%
1995-96	218	44.3%	274	55.7%
1996-97	197	43.5%	256	56.5%
1997-98	249	50.1%	248	49.9%
1998-99	224	44.5%	279	55.5%

Table 12: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Race

Year	No. White Students	Pct. White Students	No. Black Students	Pct. Black Students	No. Other-Race Students	Pct. Other-Race Students
1993-94	350	84.7%	51	12.3%	12	2.9%
1994-95	354	82.1%	60	13.9%	17	3.9%
1995-96	401	81.5%	65	13.2%	26	5.3%
1996-97	365	80.6%	64	14.1%	24	5.3%
1997-98	406	81.7%	65	13.1%	26	5.2%
1998-99	416	82.7%	66	13.1%	21	4.2%

In terms of age, as might be expected, recent high school graduates are considerably younger than other students. The average age for all students during the five-year period was 32.2; for high school graduates enrolling at PVCC in the year

following high school graduation, the average age was 18.9. Average age for recent high school graduates ranged from 18.7 in 1998-99 to 19 in 1994-95.

College Characteristics of Recent High School Graduates Attending PVCC

PVCC service region high school graduates enrolling at the college in the year following high school graduation take greater loads than other students, are much more likely to attend full-time, to attend in the day, and to attend at the main PVCC campus. They are also more likely to be receiving financial aid and to be enrolled in curricular programs of study.

As can be seen in

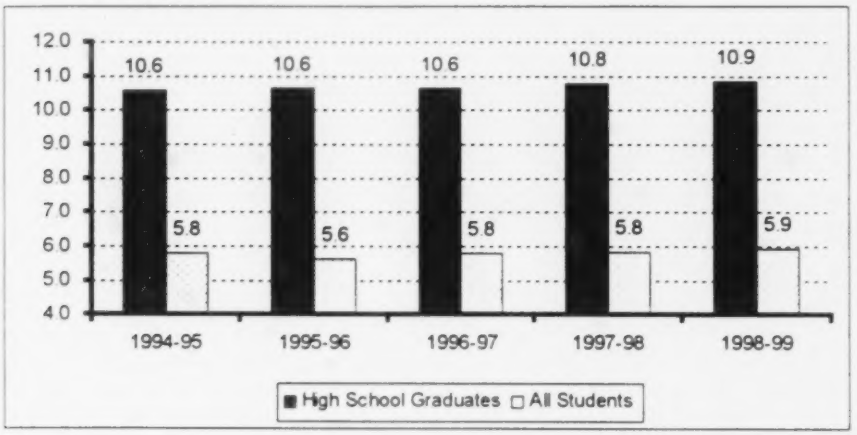

Figure 9, high school graduates carry nearly double the number of credit hours per term that all students do. The average number of credit hours taken by recent high school graduates during the five-year period 1994-95 to 1998-99 was 10.7; the average number for all students was 5.8. Typically, recent high school graduates take six courses each term; typically, all students take three courses.

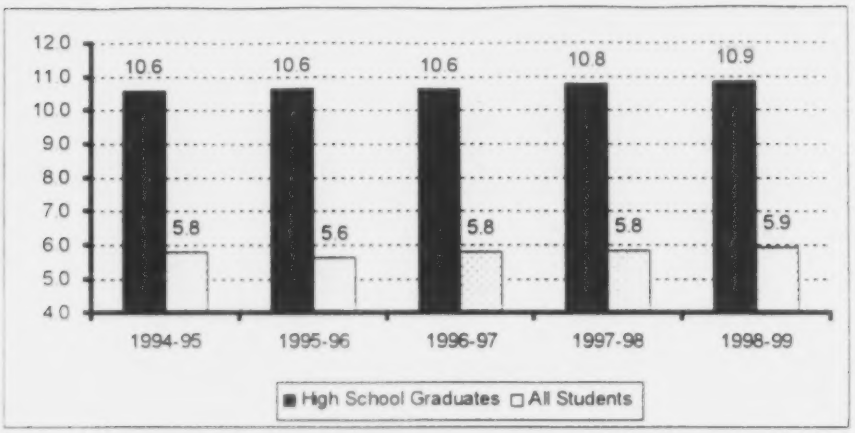

Figure 9: Average Credit Hours Taken at PVCC During A Term by PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation and by All Students

Because recent high school graduates take more courses and heavier loads, they are more likely than all students to be classified as full-time students. Nearly 60% of all recent high school graduates were full-time during the five-year period, as compared to only 15% of all students. The number and percentage of full-time and part-time students among recent high school graduates during this period is shown in Table 13. Note that for the purpose of this study, students are defined as full-time if they enroll full-time during any one term of an academic year. Thus, a student enrolling full-time in the fall and part-time in the summer and spring would be counted as full-time.

Table 13: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Full-time/Part-Time Status

	Full-Time		Part-Time	
Year	No.	Pct.	No.	Pct.
1994-95	230	53.4%	201	46.6
1995-96	288	58.5%	204	41.5
1996-97	277	61.1%	176	38.9
1997-98	297	59.8%	200	40.2
1998-99	299	59.4%	204	40.6

As can be seen in Table 14, the majority of recent high school graduates take all of their classes during the day. An average of 55% of recent high school graduates during the five-year period took all classes during the day. Nine percent took classes only at night and 36% took classes both during day and evening hours. In comparison, 43% of all students took classes only during the day, 33% only at night, and 24% both during the day and night.

Table 14: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Day/Night Status

	Day Students		Night Students		Day and Night Students	
Year	No.	Pct.	No.	Pct.	No.	Pct.
1994-95	239	55.5%	34	7.9	158	36.7%
1995-96	272	55.3%	48	9.8	172	35.0%
1996-97	271	59.8%	29	6.4	153	33.8%
1997-98	270	54.3%	45	9.1	182	36.6%
1998-99	248	49.3%	48	9.5	207	41.2%

The majority of recent high school graduates also take all of their classes at the main campus of the college (see Table 15). During the five-year period, an average of 75% of all recent high school graduates took all classes on-campus. Five percent took all classes off-campus and 20% took their classes both on- and off-campus. In comparison, 68% of all students took all classes on-campus, 22% took all classes off-campus, and 10% took classes both on- and off-campus.

Table 15: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by On-/Off-Campus Status

	On-Campus Students		Off-Campus Students		On- & Off-Campus Students	
Year	No.	Pct.	No.	Pct.	No.	Pct.
1994-95	331	76.8	24	5.6%	76	17.6%
1995-96	394	80.1	22	4.5%	76	15.4%
1996-97	343	75.7	21	4.6%	89	19.6%
1997-98	357	71.8	34	6.8%	106	21.3%
1998-99	367	73.0	19	3.8%	117	23.3%

Recent high school graduates are more than twice as likely as other students to be receiving financial aid. Between 1994-95 and 1998-99, an average of 24.3% of all recent high school graduates received financial aid. Percentage figures ranged from 19.7% in 1994-95 to 28.2% in 1998-99. In contrast, an average of only 11.4% of all students during this time received financial aid.

Recent high school graduates are also more likely to be curricular students. As can be seen in Table 16, an average of 56.6% of all high school graduates attending PVCC in the year following high school graduation were enrolled in college transfer programs, 10.6% were enrolled in occupational/technical programs, and 32.8% were unclassified. Among all students, 30% were college transfer, 13% occupational/ technical, and 57% unclassified.

Table 16: PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation by Curricular Status

	College Transfer				Occupational/Technical				Unclassified	
Year	AA	AS	Total	Pct.	AAS	Cert.	Total	Pct.	Total	Pct.
1994-95	77	163	240	55.7%	39	2	41	9.5%	150	34.8
1995-96	109	195	304	61.8%	52	-	52	10.6%	136	27.6
1996-97	88	159	247	54.5%	42	3	45	9.9%	161	35.5
1997-98	101	163	264	53.1%	54	6	60	12.1%	173	34.8
1998-99	112	178	290	57.7%	53	-	53	10.5%	160	31.8

The Academic Performance of Recent High School Graduates Attending PVCC

PVCC service region high school graduates enrolling at the college in the year following high school graduation are more likely to require remediation than other

students. As can be seen in Figure 10, an average of 45.1% of all recent high school graduates taking classes at PVCC between 1994-95 and 1998-99 took at least one developmental course. In contrast, during the same period, only 12.3% of all students took at least one developmental course.

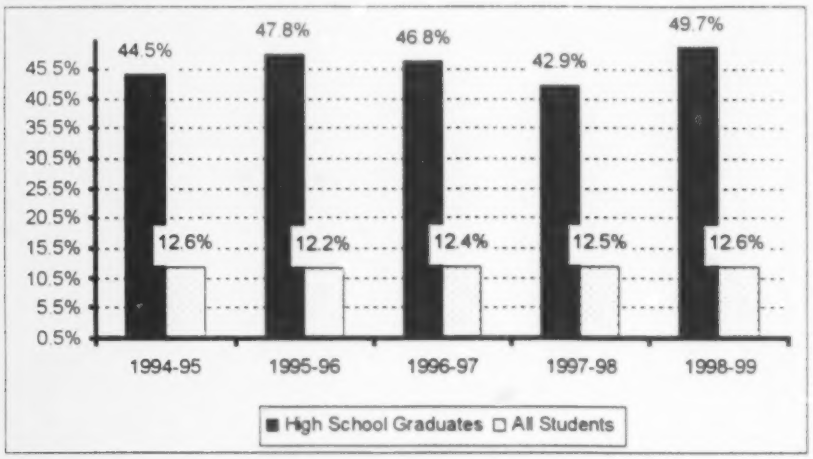

Figure 10: Percentage of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation Taking at Least One Developmental Course

High school graduates enrolled in developmental courses took on average 7.5 credit hours of developmental course work during a term, and 20% of all credit hours taken by recent high school graduates during the five-year period were in developmental courses. The average number of developmental credit hours taken by all students enrolled in at least one developmental course during this time was 6.4, and the percentage of developmental credit hours was 8.8%.

As can be seen in Figure 11, the cumulative grade point average (GPA) of PVCC service region high school graduates enrolling at the college in the year following their high school graduation was substantially lower than that of all students at the college. While all students had a cumulative GPA during the five-year period of

3.014, the cumulative GPA of the high school graduates was only 2.559. The cumulative GPA of the high school graduates ranged from 2.501 in 1994-95 and in 1995-96 to 2.660 in 1998-99, and that of all students ranged from 2.990 in 1994-95 to 3.035 in 1997-98.

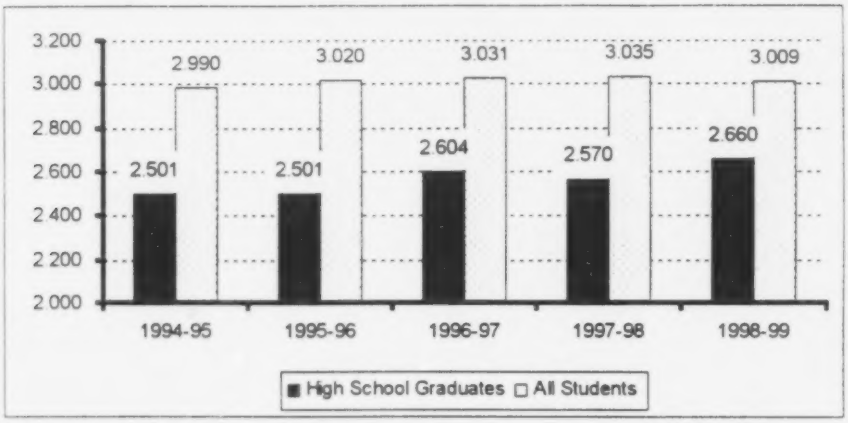

Figure 11: Cumulative GPA of PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation and of All Students

Grades received by recent high school graduates during the academic year are shown in Table 17. In terms of grades A-F, 25.9% received A's, 31.7% B's, 23.4% C's, 8.2% D's, and 10.8% F's. For all students, the distribution was 46.8% A's, 28% B's, 14.8% C's, 4.2% D's, and 6.2% F's. The GPA during this time for recent high school graduates was 2.495, and for all students, 3.012. A comparison of grades A-F for recent high school graduates and for all students in 1998-99 is shown in Figure 12.

Table 17 : Grades Received by PVCC Service Region High School Graduates Enrolling at PVCC in the Year Following High School Graduation

Year	A	B	C	D	F	S	P	R	U	W	I	X	CH	QP	GPA
1993-94	349	481	378	142	138	158	115	82	30	341	1	4	4,326	10,694	2.472
1994-95	380	447	366	142	178	179	109	127	57	309	-	5	4,505	10,922	2.424
1995-96	466	570	421	180	229	237	156	131	53	339	-	7	5,523	13,354	2.418
1996-97	402	513	358	121	163	209	140	108	88	403	9	9	4,638	11,690	2.520
1997-98	484	622	418	141	210	257	168	78	97	317	18	12	5,645	14,152	2.507
1998-99	564	608	455	117	185	291	193	84	110	346	15	7	5,683	14,851	2.613

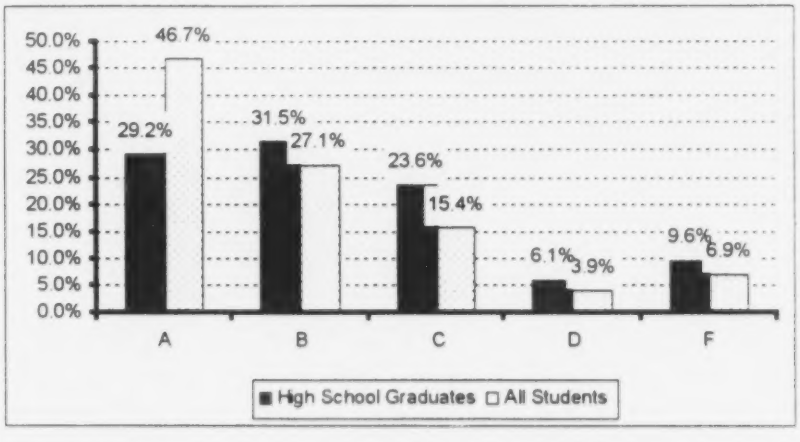

Figure 12: Grades Received in 1998-99 by 1997-98 PVCC Service Region High School Graduates Enrolling at PVCC in 1998-99 and by All Students

Not only do recent high school graduates earn lower grades than all students, but they are more likely to withdraw from classes as well. While 13.5% of the recent high school graduates received W or I grades, only 11.8% of all students received these grades.

Conclusion

Major findings of the 1994 study on high school graduates still hold true. The number of students graduating from service region high schools is a poor predictor of the number who enroll at PVCC in the year following high school graduation. Also,

the number of service region high school graduates enrolling at the college is so small in relation to the size of the student body as a whole that total enrollment cannot be extrapolated from recent high school enrollment.

The impact of high school graduates upon the college, however, cannot be measured solely by the number enrolling within one year of high school graduation. As shown in the present study, 35% or more of service region high school graduates attend PVCC within four to five years of graduation. In this respect, the college is serving the needs of its community. Indeed, roughly 85% of those high school seniors who intend to pursue their education at a two-year institution do so at PVCC the following year.

Recent high school graduates attending PVCC are more likely than other students to be male, study full-time in a curricular program, take all of their classes at the main campus during the day, and to receive financial aid. They are also more likely to require remediation, and their grades are considerably lower. Placing these lower grades in the context of heavier course loads raises the question of academic preparation. Certainly, counselors and academic advisors reading this study should caution recent high school graduates to take appropriate developmental course work and to carry reasonable course loads.

In the final analysis, although representing only a small portion of the student body, recent high school graduates wield an influence beyond mere numbers. Indeed, when thinking of PVCC students, most people tend to think of recent high school graduates. And it is recent high school graduates who constitute the core of PVCC's college transfer program. In this sense, high school graduates are one of the prime markets for potential students at PVCC.

Appendix: RADDS/SAS Program Used to Obtain Data

```
//XXXXXXXX JOB (1000,V003,9,49),RADSS.PFPV001,MSGLEVEL=(0,0),
// NOTIFY=XXXXXXXX,MSGCLASS=D,CLASS=F,PRTY=3
/*ROUTE PRINT XXXXX
//*********************************************************************
//***  CONTACT PERSON: RONALD HEAD                                    ***
//***  PHONE NUMBER:   804-961-5301                                   ***
//***  DESCRIPTION:    HIGH SCHOOL GRADUATES ENROLLING IN THE YEAR ***
//***                  FOLLOWING HIGH SCHOOL GRADUATES                ***
//*********************************************************************
//RADSS   EXEC RADSS,CENSUS=YES
//SYSIN    DD *

 PASSWORD   XXXXXXX

 SEL    AGENCY=XXX STUACDYR='1998-99'

 VAR    SSN STUTRM HSCODE HSGRADYR CUMGP CUMHA CUMHC CURLEV CURCODE
        AGE SEX RACE DAYNITEB ONOFFB FACODES FDGTYPE TDEVL TDEVLTOT
        GRADE CRSNO LOADCR LOAD12 REGCRHR

//RADSS   EXEC SAS,COND=(0,LT)
//SASLIST  DD SYSOUT=(*,,RADS)
//RADSS    DD DSN=&&RADSOUT,DISP=SHR
//RADSSIN  DD DSN=&&RADSSAS,DISP=SHR
//SYSIN    DD *

 %LET PERIOD = '98990'; /* 0=ENTIRE YEAR 2=SPRING 3=SUMMER 4=FALL */
 %LET FLAG = 0;  /* 0=ONLY IMMEDIATE HIGH SCHOOL GRADUATES
                    1=ALL STUDENTS */
 %INCLUDE RADSSIN;

 /* THIS PROGRAM PRODUCES FOUR TABLULAR REPORTS ON HIGH SCHOOL GRADUATES
    ENROLLING AT THE COLLEGE IN THE YEAR FOLLOWING HIGH SCHOOL
    GRADUATION.

    THE FIRST TABLE REPORTS THE NUMBER OF STUDENTS, TERMS, FULL-TIME
    STUDENTS, PART-TIME STUDENTS, COURSES, CREDIT HOURS, FTES, REMEDIAL
    STUDENTS, REMEDIAL CREDIT HOURS, AVERAGE LOAD IN CREDIT HOURS, TOTAL
    QUALITY POINTS (USED TO DETERMINE GPA), TOTAL HOURS ATTEMPTED, AND
    CUMULATIVE GPA.

    THE SECOND TABLE REPORTS ALL GRADES RECEIVED DURING THE PERIOD, AS
    WELL AS CREDIT HOURS, QUALITY POINTS, AND GPA.

    THE THIRD TABLE REPORTS THE NUMBER OF STUDENTS BY SEX. RACE. AND
    FINANCIAL AID STATUS, AS WELL AS AVERAGE AGE, AND THE CUMULATIVE
    AGE (THIS CAN BE USED TO AVERAGE TOTALS).

    THE FOURTH TABLE REPORTS THE NUMBER OF STUDENTS BY DEGREE SOUGHT
    (AA, AS, AAS, CERTIFICATE, DIPLOMA, AND UNCLASSIFIED), DAY/NIGHT
    STATUS AND ON-/OFF-CAMPUS STATUS.
```

```
  THE REPORT CAN BE RUN FOR ANY TERM DURING AN ACADEMIC YEAR OR FOR
  THE ENTIRE ACADEMIC YEAR.  TO REPORT ON A PARTICULAR TERM, SET THE
  LAST DIGIT OF THE GLOBAL VARIABLE PERIOD TO THE APPROPRIATE NUMBER
  (2, 3, 4); TO REPORT ON THE ENTIRE YEAR, SET IT TO ZERO.  YOU MUST
  ALSO SET THE FIRST TWO DIGITS TO THE YEAR OF THE FALL SEMESTER AND
  THE SECOND TWO TO THE YEAR OF THE SPRING SEMESTER (E.G., 9899 =
  1998-99 ACADEMIC YEAR).  NOTE THAT YOU MUST ALSO SET THE RADSS
  SELECT VARIABLE STUACDYR TO THE APPROPRIATE YEAR (E.G.,
  '1998-99'= 1998-99).

  NOTE THAT IF YOU WISH TO DETERMINE THE NUMBER OF HIGH SCHOOL
  GRADUATES ENROLLING WITHIN TWO OR MORE YEARS, INCLUDE TWO OR
  MORE YEARS IN THE RADSS SELECT VARIABLE STUACDYR.  FOR EXAMPLE,
  TO DETERMINE THE NUMBER OF 1995-96 GRADUATES ENROLLING IN
  1995-96, 1996-97, AND 1997-98 THE SEL STATEMENT WOULD READ AS
  FOLLOWS:
     SEL    AGENCY=XXX STUACDYR='1995-96','1996-97','1997-98'

  NOTE THAT YOU CAN ALSO OBTAIN THE SAME DATA FOR ALL STUDENTS
  (NOT JUST HIGH SCHOOL GRADUATES ATTENDING WITHIN A YEAR OF
  GRADUATION).  SIMPLY SET THE GLOBAL VARIABLE FLAG TO 1.
*/

DATA RTITLES;
/* SET UP REPORT TITLES */
YEAR1 = '19' || SUBSTR(&PERIOD,1,2);
YEAR2 = '19' || SUBSTR(&PERIOD,3,2);
IF &FLAG = 1 THEN
  T1 = 'ALL HIGH SCHOOL GRADUATES ATTENDING PVCC';
ELSE
  T1 = TRIM(YEAR1) || ' HIGH SCHOOL GRADUATES ATTENDING PVCC';
IF SUBSTR(&PERIOD,5,1) = '0' THEN
  T2 = 'DURING ' || TRIM(YEAR1) || '-' || TRIM(YEAR2);
ELSE
  IF SUBSTR(&PERIOD,5,1) = '1' THEN
    T2 = 'WINTER ' || TRIM(YEAR2);
  ELSE
    IF SUBSTR(&PERIOD,5,1) = '2' THEN
      T2 = 'SPRING ' || TRIM(YEAR2);
    ELSE
      IF SUBSTR(&PERIOD,5,1) = '3' THEN
        T2 = 'SUMMER ' || TRIM(YEAR1);
      ELSE
        IF SUBSTR(&PERIOD,5,1) = '4' THEN
          T2 = 'FALL ' || TRIM(YEAR1);
        ELSE
          T2 = '';
T3 = TRIM(T2) || ': GRADES';
CALL SYMPUT('TNAME1',T1);
CALL SYMPUT('TNAME2',T2);
CALL SYMPUT('TNAME3',T3);

DATA STUDS1;
 /* GET THE HIGH SCHOOL GRADUATES FOR THE SELECTED PERIOD */
SET RADSS; BY SSN;
IF HSGRADYR = '19' || SUBSTR(&PERIOD,1,2) OR &FLAG = 1 THEN DO;
```

BEST COPY AVAILABLE

```
  IF HSCODE = '470420'      THEN HSNAME = 'ALBEMARLE        ';
  ELSE IF HSCODE = '470627' THEN HSNAME = 'WESTERN ALBEMARLE';
  ELSE IF HSCODE = '470423' THEN HSNAME = 'CHARLOTTESVILLE  ';
  ELSE IF HSCODE = '472145' THEN HSNAME = 'WILLIAM MONROE   ';
  ELSE IF HSCODE = '470390' THEN HSNAME = 'FLUVANNA COUNTY  ';
  ELSE IF HSCODE = '471445' THEN HSNAME = 'LOUISA COUNTY    ';
  ELSE IF HSCODE = '471260' THEN HSNAME = 'NELSON COUNTY    ';
  ELSE IF HSCODE = '470431' THEN HSNAME = 'MURRAY           ';
  ELSE IF HSCODE = '470340' THEN HSNAME = 'BUCKINGHAM COUNTY';
  ELSE IF SUBSTR(HSCODE,1,2) = '47' THEN DO
    HSCODE = '479999';
    HSNAME = 'OUT-OF-DISTRICT  ';
  END;
  ELSE DO;
    HSCODE = '579999';
    HSNAME = 'OUT-OF-STATE     ';
  END;
  IF SUBSTR(&PERIOD,5,1) = '0' THEN  /* ANNUAL */
    OUTPUT;
  ELSE IF SUBSTR(&PERIOD,5,1) = STUTRM THEN
    OUTPUT;  /* OUTPUT ONLY FOR THE SELECTED TERM (2,3,4) */
END;

PROC SORT; BY SSN STUTRM;

DATA STUDS2;
SET STUDS1;
  BY SSN STUTRM;
RETAIN STATUS REMEDIAL RCREDIT NCRDS NSECS NTERMS FA DAYSTUD CAMP;
IF FIRST.SSN THEN DO;
  REMEDIAL = 0;        /* DEVELOPMENTAL STATUS */
  STATUS = LOAD12;     /* FULL-TIME, PART-TIME STATUS */
  NCRDS   = 0;         /* NO. CREDITS */
  NSECS   = 0;         /* NO. SECTIONS */
  NTERMS  = 0;         /* NO. TERMS */
  DAYSTUD = DAYNITEB;  /* DAY, NIGHT, BOTH STATUS */
  CAMP = ONOFFB;       /* ON-CAMPUS, OFF-CAMPUS, BOTH STATUS */
  RCREDIT = 0;         /* NO. DEVELOPMENTAL CREDITS */
  FA = 0;              /* FINANCIAL AID STATUS */
END;
IF FIRST.STUTRM THEN DO; /* GET DATA ONCE PER STUDENT */
  NTERMS = NTERMS + 1;
  NCRDS = NCRDS + LOADCR;
  RCREDIT = RCREDIT + TDEVLTOT;
  IF FACODES ¬= ' ' THEN
    FA = 1;
  IF LOAD12 = 'F' THEN
    STATUS = 'F';
  IF TDEVL > 0 THEN
    REMEDIAL = 1;
  IF (DAYNITEB = 'B') OR (DAYNITEB = 'D' || DAYSTUD = 'N')
  OR (DAYNITEB = 'N' || DAYSTUD = 'D') THEN
    DAYSTUD = 'B';
  IF (ONOFFB = '2') OR (ONOFFB = '0' || CAMP = '1')
  OR (ONOFFB = '1' || CAMP = '0') THEN
    CAMP = '2';
END;
```

BEST COPY AVAILABLE

```
NSECS = NSECS + 1;  /* GET DATA FOR ALL RECORDS */
IF LAST.STUTRM THEN
  IF LAST.SSN THEN DO;
    OUTPUT;
  END;

PROC SORT; BY HSCODE SSN;

DATA TABLE1;
 /* SET UP COURSE AND GRADE DATA FOR EACH HIGH SCHOOL */
SET STUDS2;
  BY HSCODE SSN;
LENGTH HSCHOOL $ 50;
RETAIN STUDENTS FT PT COURSES CRHRS DEV DEVHRS TOTPTS TOTHRS TERMS;
IF FIRST.HSCODE THEN DO;
  STUDENTS = 0;  /* NO. STUDENTS */
  FT = 0;        /* NO. FULL-TIME STUDENTS */
  PT = 0;        /* NO. PART-TIME STUDENTS */
  COURSES = 0;   /* NO. COURSES */
  CRHRS = 0;     /* NO. CREDIT HOURS */
  DEV = 0;       /* NO. DEVELOPMENTAL STUDENTS */
  DEVHRS = 0;    /* NO. DEVELOPMENTAL CREDIT HOURS */
  TOTPTS = 0;    /* CUMULATIVE GRADE POINTS */
  TOTHRS = 0;    /* CUMULATIVE HOURS ATTEMPTED */
  TERMS = 0;     /* NO. TERMS */
END;
STUDENTS = STUDENTS + 1;
IF STATUS = 'F' THEN
  FT = FT + 1;
ELSE
  PT = PT + 1;
COURSES = COURSES + NSECS;
TERMS = TERMS + NTERMS;
CRHRS = CRHRS + NCRDS;
DEV = DEV + REMEDIAL;
DEVHRS = DEVHRS + RCREDIT;
TOTPTS = TOTPTS + CUMGP;
TOTHRS = TOTHRS + CUMHA;
IF LAST.HSCODE THEN DO;  /* TOTAL DATA FOR EACH HIGH SCHOOL */
  LOAD = CRHRS / TERMS;  /* CREDIT HOUR LOAD */
  IF SUBSTR(&PERIOD,5,1) = '0' THEN
    FTE = CRHRS / 30;    /* ANNUAL FTES */
  ELSE
    FTE = CRHRS / 15;    /* SEMESTER FTES */
  GPA = TOTPTS / TOTHRS; /* GRADE POINT AVERAGE */
  IF GPA > 4.00 THEN DO; /* RADSS DATA IS OFTEN INACCURATE SO */
    TOTPTS = TOTPTS/10;  /* WE NEED TO DIVIDE BY 10 */
    GPA = TOTPTS / TOTHRS;
  END;
  IF HSCODE = '479999' OR HSCODE = '579999' THEN
    HSCHOOL = TRIM(HSNAME);  /* OUT-OF-DISTRICT OR OUT-OF-STATE */
  ELSE
    HSCHOOL = TRIM(HSNAME) || ' (' || HSCODE || ')'; /*INCLUDE CODE */
  OUTPUT;
END;

PROC SORT; BY HSCHOOL;
```


BEST COPY AVAILABLE

```
PROC SORT  DATA=STUDS1; BY HSCODE;

DATA TABLE2;
 /* SET UP GRADE DATA FOR EACH HIGH SCHOOL */
SET STUDS1;
  BY HSCODE;
LENGTH HSCHOOL $ 50;
RETAIN A B C D F S P R U W I X CRHRS QPTS;
IF FIRST.HSCODE THEN DO;
  A = 0;  /* NO. OF GRADES (A,B,C,ETC.)
  B = 0;
  C = 0;
  D = 0;
  F = 0;
  S = 0;
  P = 0;
  R = 0;
  U = 0;
  W = 0;
  I = 0;
  X = 0;
  CRHRS = 0;  /* CREDIT HOURS */
  QPTS = 0;   /* QUALITY POINTS */
END;
IF GRADE = 'A' THEN DO;
  A = A + 1;
  CRHRS = CRHRS + REGCRHR;
  QPTS = QPTS + (REGCRHR*4);
END;
IF GRADE = 'B' THEN DO;
  B = B + 1;
  CRHRS = CRHRS + REGCRHR;
  QPTS = QPTS + (REGCRHR*3);
END;
IF GRADE = 'C' THEN DO;
  C = C + 1;
  CRHRS = CRHRS + REGCRHR;
  QPTS = QPTS + (REGCRHR*2);
END;
IF GRADE = 'D' THEN DO;
  D = D + 1;
  CRHRS = CRHRS + REGCRHR;
  QPTS = QPTS + (REGCRHR*1);
END;
IF GRADE = 'F' THEN DO;
  F = F + 1;
  CRHRS = CRHRS + REGCRHR;
END;
IF GRADE = 'S' THEN S = S + 1;
IF GRADE = 'P' THEN P = P + 1;
IF GRADE = 'R' THEN R = R + 1;
IF GRADE = 'U' THEN U = U + 1;
IF GRADE = 'W' THEN W = W + 1;
IF GRADE = 'I' THEN I = I + 1;
IF GRADE = 'X' THEN X = X + 1;
IF LAST.HSCODE THEN DO;  /* TOTAL DATA FOR EACH HIGH SCHOOL */
```

BEST COPY AVAILABLE

```
  IF HSCODE > '472145' THEN  /* NOT A SERVICE REGION HIGH SCHOOL */
    HSCHOOL = TRIM(HSNAME);
  ELSE
    HSCHOOL = TRIM(HSNAME) || ' (' || HSCODE || ')'; /* INCLUDE CODE */
  GPA = QPTS / CRHRS;  /* GRADE POINT AVERAGE */
  OUTPUT;
END;

DATA TABLE3;
 /* SET UP DEMOGRAPHIC AND ENROLLMENT DATA FOR EACH HIGH SCHOOL */
SET STUDS2;
  BY HSCODE SSN;
LENGTH HSCHOOL $ 50;
RETAIN STUDENTS MALE FEMALE WHITE BLACK OTHER CUMAGE AA AS AAS CERT
DIPLOMA UNCLASS DAY NIGHT BOTHD ONC OFFC BOTHC AID;
IF FIRST.HSCODE THEN DO;
  STUDENTS = 0;    /* NO. STUDENTS */
  MALE = 0;        /* NO. MALES */
  FEMALE = 0;      /* NO. FEMALES */
  WHITE = 0;       /* NO. WHITE STUDENTS */
  BLACK = 0;       /* NO. AFRICAN-AMERICAN STUDENTS */
  OTHER = 0;       /* NO. OTHER RACE STUDENTS */
  CUMAGE = 0;      /* CUMULATIVE AGE (USED TO AVERAGE FINAL AGE) */
  AA = 0;          /* NO. A.A. STUDENTS */
  AS = 0;          /* NO. A.S. STUDENTS */
  AAS = 0;         /* NO. A.A.S. STUDENTS */
  CERT = 0;        /* NO. CERTIFICATE STUDENTS */
  DIPLOMA = 0;     /* NO. DIPLOMA STUDENTS */
  UNCLASS = 0;     /* NO. UNCLASSIFIED STUDENTS */
  DAY = 0;         /* NO. DAY STUDENTS */
  NIGHT = 0;       /* NO. NIGHT STUDENTS */
  BOTHD = 0;       /* NO. BOTH DAY AND NIGHT STUDENTS */
  ONC = 0;         /* NO. ON-CAMPUS STUDENTS */
  OFFC = 0;        /* NO. OFF-CAMPUS STUDENTS */
  BOTHC = 0;       /* NO. BOTH ON- AND OFF-CAMPUS STUDENTS */
  AID = 0;         /* NO. FINANCIAL AID STUDENTS */
END;
STUDENTS = STUDENTS + 1;
IF SEX = '1' THEN
  MALE = MALE + 1;
ELSE IF SEX = '2' THEN
  FEMALE = FEMALE + 1;
IF RACE = '1' THEN
  WHITE = WHITE + 1;
ELSE IF RACE = '2' THEN
  BLACK = BLACK + 1;
ELSE
  OTHER = OTHER + 1;
CUMAGE = CUMAGE + AGE;
AID = AID + FA;
IF CURLEV = '1' OR CURLEV = '7' THEN DO;
  IF CURCODE = '648' OR CURCODE = '529' THEN
  /* AT PVCC, AA PROGRAMS ARE LIBERAL (648) AND FINE (529) ARTS */
    AA = AA + 1;
  ELSE
    AS = AS + 1;
  END;
```


BEST COPY AVAILABLE

```
ELSE IF CURLEV = '6' OR CURLEV = '9' THEN
  AAS = AAS + 1;
ELSE IF CURLEV = '3' OR CURLEV = '8' THEN
  DIPLOMA = DIPLOMA + 1;
ELSE IF CURLEV = '4' THEN
  CERT = CERT + 1;
ELSE
  UNCLASS = UNCLASS + 1;
IF DAYSTUD = 'D' THEN
  DAY = DAY + 1;
ELSE IF DAYSTUD = 'N' THEN
  NIGHT = NIGHT + 1;
ELSE IF DAYSTUD = 'B' THEN
  BOTHD = BOTHD + 1;
IF CAMP = '0' THEN
  OFFC = OFFC + 1;
ELSE IF CAMP = '1' THEN
  ONC = ONC + 1;
ELSE IF CAMP = '2' THEN
  BOTHC = BOTHC + 1;
IF LAST.HSCODE THEN DO; /* TOTAL DATA FOR EACH HIGH SCHOOL */
  AVGAGE = CUMAGE / STUDENTS;  /* AVERAGE AGE */
  IF HSCODE = '479999' OR HSCODE = '579999' THEN
    HSCHOOL = TRIM(HSNAME);  /* OUT-OF-DISTRICT OR OUT-OF-STATE */
  ELSE
    HSCHOOL = TRIM(HSNAME) || ' (' || HSCODE || ')'; /*INCLUDE CODE */
  OUTPUT;
END;

PROC SORT; BY HSCHOOL;

PROC PRINT  DATA=TABLE1  SPLIT='*';
 /* PRINT OUT TABLE 1 */
ID HSCHOOL;
VAR STUDENTS TERMS FT PT COURSES CRHRS FTE DEV DEVHRS LOAD TOTPTS
TOTHRS GPA;
SUM STUDENTS TERMS FT PT COURSES CRHRS FTE DEV DEVHRS TOTPTS TOTHRS;
FORMAT LOAD 4.1 FTE 5.0 GPA 5.3;
LABEL HSCHOOL  = 'HIGH SCHOOL'
      STUDENTS = 'NO.*STUDENTS'
      TERMS    = 'NO.*TERMS'
      FT       = 'NO. FULL-*TIME STUDENTS'
      PT       = 'NO. PART-*TIME STUDENTS'
      COURSES  = 'NO.*COURSES'
      CRHRS    = 'NO. CREDIT*HOURS'
      FTE      = 'NO.*FTES'
      DEV      = 'NO. REMEDIAL*STUDENTS'
      DEVHRS   = 'REMEDIAL*CR. HRS.'
      LOAD     = 'AVG.*LOAD'
      TOTPTS   = 'TOTAL*PTS.'
      TOTHRS   = 'TOTAL*HRS.'
      GPA      = 'CUM.*GPA';
TITLE &TNAME1;
TITLE2 &TNAME2;

PROC PRINT  DATA=TABLE2  SPLIT = '*';
 /* PRINT OUT TABLE 2--GRADES */
```

BEST COPY AVAILABLE

```
ID HSCHOOL;
VAR A B C D F S P R U W I X CRHRS QPTS GPA;
SUM A B C D F S P R U W I X CRHRS QPTS;
TITLE &TNAME1;
FORMAT GPA 5.3;
LABEL HSCHOOL   = 'HIGH SCHOOL'
      CRHRS     = 'CREDIT*HRS. (A-F)'
      QPTS      = 'QUALITY*PTS.';
TITLE2 &TNAME3;

PROC PRINT  DATA=TABLE3  SPLIT='*';
 /* PRINT OUT TABLE 3 */
ID HSCHOOL;
VAR STUDENTS MALE FEMALE WHITE BLACK OTHER CUMAGE AVGAGE AID;
SUM STUDENTS MALE FEMALE WHITE BLACK OTHER CUMAGE AID;
FORMAT AVGAGE 5.1;
LABEL HSCHOOL  = 'HIGH SCHOOL'
      STUDENTS = 'NO.*STUDENTS'
      MALE     = 'NO.*MALE'
      FEMALE   = 'NO.*FEMALE'
      WHITE    = 'NO.*WHITE'
      BLACK    = 'NO.*BLACK'
      OTHER    = 'NO.*OTHER*RACE'
      CUMAGE   = 'CUM.*AGE'
      AVGAGE   = 'AVG.*AGE'
      AID      = 'FINANCIAL*AID';
TITLE &TNAME1;
TITLE2 &TNAME2;

PROC PRINT  DATA=TABLE3  SPLIT='*';
 /* PRINT OUT TABLE 3 */
ID HSCHOOL;
VAR STUDENTS AA AS AAS CERT DIPLOMA UNCLASS DAY NIGHT BOTHD
ONC OFFC BOTHC;
SUM STUDENTS AA AS AAS CERT DIPLOMA UNCLASS DAY NIGHT BOTHD
ONC OFFC BOTHC;
FORMAT AVGAGE 5.1;
LABEL HSCHOOL  = 'HIGH SCHOOL'
      STUDENTS = 'NO.*STUDENTS'
      AA       = 'A.A.*DEGREE'
      AS       = 'A.S.*DEGREE'
      AAS      = 'A.A.S.*DEGREE'
      CERT     = 'CERTI-*FICATE'
      DIPLOMA  = 'DIPLOMA'
      UNCLASS  = 'UN*CLASS-*IFIED'
      DAY      = 'DAY'
      NIGHT    = 'NIGHT'
      BOTHD    = 'DAY &*NIGHT'
      ONC      = 'ON*CAMPUS'
      OFFC     = 'OFF*CAMPUS'
      BOTHC    = 'ON & OFF*CAMPUS';
TITLE &TNAME1;
TITLE2 &TNAME2;
//
```